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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE STATEMENT****BY APPLICANT**  
(use as many sheets as necessary)

August 8, 2005

1 of 2

**Complete if Known**

Application Number	10/774,588
Filing Date	02/10/2004
First Named Inventor	Y. TANABE
Art Unit	2891
Examiner Name	Victor V. Yevlakov
Attorney Docket Number	501.37465C10

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
VY		JP 6-333918	12-1994	T. Ohmi		F

Examiner  
Signature

V. Yevlakov

Date  
Considered

10/27/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Complete if Known**

Application Number	10/774,588
Filing Date	02/10/2004
First Named Inventor	Y. TANABE
Group Art Unit	2891
Examiner Name	Victor V. Yeysikov
Attorney Docket Number	501.37465C10

**August 8, 2005**

Use as many sheets as necessary)

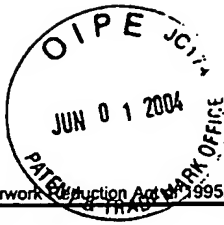
Sheet **2** of **2**

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Examiner Signature	<i>V. Y. [Signature]</i>	Date Considered	10/27/01
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Applicant's unique citation designation number (optional). ☐ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>	
		Application Number	10/774,588
Sheet	1	of	1
		Filing Date	February 10, 2004
		First Named Inventor	Yoshikazu TANABE
		Art Unit	2829
		Examiner Name	Not yet assigned
		Attorney Docket Number	501.37465C10

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US-				
VY		US-				
		US- 6,110,531		08-29-2000	PAZ DE ARAUJO et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					

Examiner Signature	<i>N. Y. [Signature]</i>	Date Considered	10/27/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-03)

Approved for use through 07/31/2008. CMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)  April 20, 2005		<b>Complete If Known</b>	
		Application Number	10/774,688
Substitute for form 1449A/PTO		Filing Date	02/10/2004
		First Named Inventor	Y. TANABE
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Attorney Docket Number	601.37465C10
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number-Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
U4		US- 4,376,796	03/1983	R. Arrasmith, et al.	
U4		US- 4,139,658	02/1979	S. Cohen, et al.	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>3</sup> -Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
U4		EP 0 671 781	09/1995	T. Ohmi	

Examiner Signature	N. Y. [Signature]	Date Considered	10/27/05
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Sheet 1 of 4

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.37465C10	APPLICATION NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		APPLICANT TANABE, et al.	
		FILING DATE February 10, 2004	EXPECTED GROUP 2829

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
VY	AA	2001/0042344	11/22/2001	Ohmi, et al.		
VY	AB	5,959,329	9/28/1999	Tomita, et al.		

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/ Abstract	
						Yes	No
VY	AC	08-213379	8/20/1996	Japan		X	
	AD	11-067747	3/9/1999	Japan		X	
	AE	11-074264	3/16/1999	Japan		X	
	AF	10-284484	10/23/1998	Japan		X	
	AG	11-162971	6/18/1999	Japan		X	
	AH	11-162970	6/18/1999	Japan		X	
	AI	11-204517	7/30/1999	Japan		X	
	AJ	11-186255	7/9/1999	Japan		X	
	AK	11-135492	5/21/1999	Japan		X	
	AL	9-153489	6/10/1997	Japan		X	
	AM	11-233508	8/27/1999	Japan		X	
	AN	11-186248	7/9/1999	Japan		X	
	AO	07-297201	11/10/1995	Japan		X	
	AP	07-297181	11/10/1995	Japan		X	
	AQ	07-273101	10/20/1995	Japan		X	
VY	AS	9-148461	6/6/1997	Japan		X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner V. Y. Yeh	Date Considered 10/27/05

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO.  501.37465C10	APPLICATION NO.  TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT TANABE, et al.	
		FILING DATE  February 10, 2004	EXPECTED GROUP  2829

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
✓	AA 6,037,273	3/00	Gronet, et al.			
	AB					
	AC					
	AD					
	AE					
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	AH					
	AI					
	AJ					

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
✓	AM 7-86264	3/95	Japan				X
↑	AN 7-193059	7/95	Japan			X	
	AO 5-114740	5/93	Japan			X	
	AP 7-321102	12/95	Japan			X	
	AQ 60-107840	6/85	Japan			X	
	AR 5-141871	6/93	Japan			X	
	AS 5-144804	6/93	Japan			X	
	AT 6-120206	4/94	Japan			X	
↓	AU 59-132136	7/84	Japan			X	
✓	AV WO/9728085	7/97	PCT			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AW	
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Examiner <i>V. Yegorov</i>	Date Considered <i>10/27/05</i>	

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO.  501.37465C10	APPLICATION NO.  TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT TANABE, et al.	
		FILING DATE February 2, 2004	EXPECTED GROUP 2829

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclasses	Filing Date
VY	AA	6,362,086	3-26-02	Weimer, et al.			
	AB	5,751,025	5/98	Heminger, et al.			
	AC	4,139,658	2/79	Cohen, et al.			
	AD	5,693,578	12/97	Nakanishi, et al.			
	AE	5,880,041	3/99	Ong			
	AF	5,851,892	12/98	Lojek, et al.			
	AG	5,840,368	11/98	Ohmi			
	AH	5,786,263	7/98	Perera			
VY	AI	6,239,041	5/01	Tanabe, et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclasses	Translation/Abstract	
							Yes	No
VY	AJ	7-115069	5-2-95	Japan			X	
VY	AK	9-172011	6/97	Japan			X	
VY	AL	6-333918	12/94	Japan			X	
VY	AM	7-10935	2/95	Japan				X
VY	AN	7-115069	5/95	Japan				X
VY	AO	5-152282	6/93	Japan			X	
VY	AP	6-163517	6/94	Japan			X	
VY	AQ	6-115903	4/94	Japan			X	
	AR	8-111449	4/96	Japan				X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VY	AS	Nakamura, et al., "Proceedings of the 45 <sup>th</sup> Symposium on Semiconductors and Integrated Circuits Technology", December 1-2, 1993. (full translation)				
	AT	Tanabe, et al., PG Pub: US 2002/0004315 A1, 1/10/02				
	AU	Tanabe, et al., PG Pub: US 2002/0019149 A1, 2/14/02				
	AV	Tanabe, et al., PG Pub: US 2001/0009813 A1, 7/26/01				
	AW	Tanabe, et al., PG Pub: US 2001/0010975 A1, 8/2/01				
	AX	Tanabe, et al., PG Pub: US 2001/0024870 A1, 9/27/01				
VY	AY	Tanabe, et al., PG Pub: US 2001/0006853 A1, 7/5/01				
Examiner					Date Considered	
V-Y Lee					10/27/05	



Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.37465C10	APPLICATION NO. TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> TANABE, et al.	
		<b>FILING DATE</b> February 10, 2004	<b>EXPECTED GROUP</b> 2829

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
VY	AA	4,374,116	2/15/1983	Chuang, et al.		
VY	AB	4,119,706	10/10/1978	Rogers		
VY	AC	3,857,927	12/31/1974	Henrie		

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/A bstract	
						Yes	No
VY	AD	5-19746	3/12/1993	Japan			
↑	AE	63-85630	6/4/1988	Japan			
	AF	57-49895	3/24/1982	Japan			
	AG	58-19599	2/4/1983	Japan			
	AH	57-82102	5/22/1982	Japan		X	
	AI	55-041805	3/24/1980	Japan		X	
	AJ	55-003820	1/11/1980	Japan		X	
✓	AK	0 666 237	08/09/1995	EP			
VY	AL	09-148315	6/6/1997	Japan		X	
	AM	09-090092	4/4/1997	Japan		X	
	AN						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	Japanese Patent Office Action mailed May 16, 2000 for No. 3110456 with English translation
Examiner	✓ Y. Heston Date Considered 10/27/05

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